Date: Sun, 12 Dec 93 06:12:54 PST

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V93 #1454

To: Info-Hams

Info-Hams Digest Sun, 12 Dec 93 Volume 93 : Issue 1454

Today's Topics:

Kenwood ts-820 questions Life is too short WITH 2 KW!!!!! Pasadena CA Special Event Station Scratchi, January, 1960

Weekly Solar Terrestrial Forecast & Review for 10 December

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 11 Dec 1993 06:57:06 GMT

From: news.service.uci.edu!cerritos.edu!news.Arizona.EDU!math.arizona.edu!noao!

asuvax!gatech!swrinde!cs.utexas.edu!@network.ucsd.edu

Subject: Kenwood ts-820 questions

To: info-hams@ucsd.edu

HI, I have several questions regarding my Kenwood TS-820 (with digital display) I am hoping you can all help me with this...

First, I am looking for some accesories. I don't have lots of money so trades would be nice however I can supply cash if required..

I am looking for the following: External VFO, 2 meter transverter and dc power adaptor. If you have any of these and want to get rid of them please let me know.

I would also like to know where to get replacement output tubes for this radio. Considering its age, I figure it would be a good idea to

get a few while the getting is good. What type of tubes does this radio use? What brand/type would make the best replacement?

Now for some tech stuff..

I would like to know how to control the power output of the radio during vocie transmission. I know how to on CW (Just reduce car) but I don't know the proper way to do this on voice.

My radio does not seem to put out its full rated 200 watts. Any ideas on this or any way to test it. It is possible that my MFJ d eluxe versa tuner II power meter may be innacurate. I have been told not to trust the readings on these meters.

I have a Cmos super keyer II which is NOT compatable with the negative switching on the Kenwood. For any of you that have this problem, I have found a simple fix, here it is.

- 1. remove the phono plug from the end of your keyer cable.
- 2. Reverse the wires, soldering the origonal center wire to the outer connector of the plug.
- 3. To the center plug insert a resistor whos value is high enough to reduce the voltage presented to the keyer terminals (use a VOM and voltage divider equation) I used the higest possible value that still allowed the keyer to make the radio transmit.
- 4. Solder the remaining wire to the other end of this resistor.
- 5. Attach a diode across the terminals. This protects the keyer transistor from any potential spikes from the transmitter. (got this from the Art of Electronics)
- 6. Thats all there is to it. I placed the resistor and diode right in the case for the phono plug. Use some heat shrink for short protection.

This seems to work fine and has not melted my keyer yet. If anyone has any comments on this or improvements please let me know.

Finaly, I would like to build a field strength meter. I was thinking that an opamp based circuit would be ideal for this. If anyone can help me with this I would appreciate it. I know I could buy one cheaply, but I would like to build my own.

Thanks in advance for any comments or suggestions. Please email your

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I will summarize all responces.
Thanks again
Chris (KB7Y0U)
Date: 9 Dec 93 18:44:18 GMT
From: pravda.sdsc.edu!usc!elroy.jpl.nasa.gov!swrinde!sgiblab!rtech!ingres!
kerry@network.ucsd.edu
Subject: Life is too short WITH 2 KW!!!!!
To: info-hams@ucsd.edu
In article <2e55g6$no3@news.acns.nwu.edu> lapin@casbah.acns.nwu.edu (Gregory
Lapin) writes:
>Do QRP operators live longer than QRO operators?
>What ever happened to that other stimulating thread ;)
:-) As long as the lights don't dim (too much) when you key the transmitter,
:-) aren't you operating QRP?
_______
Date: Wed, 8 Dec 1993 20:46:11 GMT
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!math.ohio-
state.edu!usc!nic.csu.net!csun.edu!VFOAOOO7%VAX.CSUN.EDU@network.ucsd.edu
Subject: Pasadena CA Special Event Station
To: info-hams@ucsd.edu
On Sunday, 12 December 1993, the Pasadena Radio Club will field a special
event station to celebrate the rebuilding of the beautiful 80 year old
Colorado Street Bridge over the Arroyo Seco just south of the Rose Bowl.
The station will be active from 10:00 a.m. PST (1800 UTC) to 4:00 p.m. PST
(2400 UTC) on three bands:
       21.335 MHz (+/-)
       14.260 MHz (+/-)
       147.150 MHz repeater (W6VIO) (+600 KHz, PL 131.8)
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For a souvenir certificate, send a QSL and \$1 to

answers to lvin@cosmic.physics.utah.edu

W6KA Post Office Box 282 Altadena CA 91003

--... de gustibus non est disputandum -.- -.- -...

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Date: Fri, 10 Dec 1993 15:59:35 GMT

From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!hplextra!hplb!hpwin052!hpqmoea!dstock@network.ucsd.edu

Subject: Scratchi, January, 1960

To: info-hams@ucsd.edu

I ENJOYED reading Myron's posting.

Scratchi was previously totally unknown to me, so I just read what was there.

I interpreted it as a commentry on the different interests and viewpoints of different generations. It said that two different generations do not understand each other, and can fail to predict this. It did not seem to attack either generation.

I thought there was a strong element of lampooning old fashioned stereotype characterisation.

Perhaps Myron's parody is a little too subtle for everyone to recognise it? Even if he now states his intent, no matter what that intent was, not everyone will believe him. We will never know with certainty.

Foreigners and children have the ability to see things, and ask questions that are too fundamental for others to notice (or dare)

Cheers

David GM4ZNX

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Date: Thu, 9 Dec 1993 18:16:20 MST

From: pacbell.com!sgiblab!swrinde!elroy.jpl.nasa.gov!usc!math.ohio-state.edu! news.cyberstore.ca!nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.ucsd.edu

Subject: Weekly Solar Terrestrial Forecast & Review for 10 December

To: info-hams@ucsd.edu

--- SOLAR TERRESTRIAL FORECAST AND REVIEW --- December 10 to December 19, 1993

Report Released by Solar Terrestrial Dispatch
P.O. Box 357, Stirling, Alberta, Canada
TOK 2E0

Accessible BBS System: (403) 756-3008

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# SOLAR AND GEOPHYSICAL ACTIVITY FORECASTS AT A GLANCE

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	10.7	cm	HF	Pro	pag	gati	ion	+/-	CON	SID				AU.	.BKS	SR	I  XD	Mag  Au	uroi	ra
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11	095	5	G	G	F	F	25	00	70	20	NA	NA	NA	00	00	10	35 2	10 NV	NV	L0
12	09!	5	G	G	F	F	25	00	70	20	NA	NA	NA	00	00	10	35 2	12 NV	NV	L0
13	09!	5	G	G	F	F	25	00	70	20	NA	NA	NA	01	05	15	35 2	12 NV	NV	L0
14	09!	5	G	G	F	F	25	00	70	20	NA	NA	NA	01	05	15	35 2	12 NV	NV	L0
15	090	9	G	G	F	F	25	00	70	20	NA	NA	NA	01	10	20	30 3	15 NV	NV	MO
16	090	9	G	G	Р	Р	25	-10	65	20	NA	NA	NA	01	20	35	30 4	20 NV	NV	MO
17	090	9	G	G	Р	Ρ	25	-10	65	20	NA	NA	NA	02	10	25	30 3	15 NV	NV	MO
18	08	5	G	G	F	F	25	-05	65	20	NA	NA	NA	02	05	20	35 3	13 NV	NV	MO
19	085	5	G	G	F	F	25	00	65	20	NA	NA	NA	02	05	15	35 2	10 NV	NV	L0

## PEAK PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (10 DEC - 19 DEC)

													_
EXTREMELY SEVERE											1	HIGH	-
VERY SEVERE STORM												HIGH	
SEVERE STORM												MODERATE	
MAJOR STORM												LOW - MOD.	
MINOR STORM												LOW	
VERY ACTIVE												NONE	
ACTIVE						*	<b>*</b> **	<b>*</b> *				NONE	
UNSETTLED	*	<b> </b> **	<b> </b> **	<b> </b> ***	<b> </b> ***	<b> </b> ***	***	<b> </b> ***	<b> </b> **	*		NONE	
QUIET	***	***	· ***	<b> </b> ***	<b> </b> ***	<b> </b> ***	***	<b> </b> ***	<b> </b> ***	· ***	:	NONE	

VERY QUIET	***	*** ***	***	***	***	***	***	***	***	NONE	
				-							
Geomagnetic Field	Fri S	Sat Sun	Mon	Tue   V	wed	Thu	Fri	Sat	Sun	Anomaly	
Conditions		Given	in 8-	hour	UT	inte	rval	.s		Intensity	

CONFIDENCE LEVEL: 65%

## NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

## 60-DAY GRAPHICAL ANALYSIS OF GEOMAGNETIC ACTIVITY

77	1		J				- 1
73	1		J				
69			J				
65	1		J				
62	1		J				
58	1		J				
54	1		J				
50	1		J				J
46			J				J
42	1		J				J
39	1	M	J			M	J
35	1	M	J			MM	J
31		M	J			MM	J
27	1	A M	JAA			MM	J
23	A	A M	JAA			MM	J
19	AA	A M	JAA	Α		AMM	J
15	AA	AAMA	JAAA	AA		AMM	AJ
12	AAUU	U AAMA	JAAAU	AA		AMM	AJ
8	AAUUU	UUUAAMAU	U UJAAAUUU	UUUU AAU	U U	AMMU	AJ
4	AAUUUQQQUQ	QUUUUAAMAU(	QUUUAAAUUUQ	QQUUUUQAAUQQQ	QQUQQU	QAMMUL	JQAJ
0	AAUUUQQQUQ	QUUUUAAMAUQ	OUUUAAALUUUQ	QUUUUQAAUQQQ	QQUQQU	QAMMUL	JQAJ

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Chart Start Date: Day #283

#### NOTES:

This graph is determined by plotting the greater of either the planetary A-index or the Boulder A-index. Graph lines are labelled according to the severity of the activity which occurred on each day. The left-hand column represents the associated A-Index for that day. Q = Quiet, U = Unsettled, A = Active, M = Minor Storm,

J = Major Storm, and S = Severe Storm.

# CUMULATIVE GRAPHICAL CHART OF THE 10.7 CM SOLAR RADIO FLUX

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110					
109					*
108					*
107					* *
106					* * *
105	1				* *** **
104	1				***** **
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102	<b> </b> *			* *	***** ***
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095	<b> </b> ***	*	****	*****	******
094	<b> </b> *** *	**	****	*****	*******
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088	<b> </b> ******	*****	********	****	******
087	*****	*****	*****	*****	******
086	****	*****	*****	****	******

Chart Start: Day #284

# GRAPHICAL ANALYSIS OF 90-DAY AVERAGE SOLAR FLUX

-----

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097	1		**
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095	<b> </b> *****		******
094	<b> </b> ********	****	**********
093	****************	****	********
092	**************	****	********

Chart Start: Day #284

## NOTES:

The 10.7 cm solar radio flux is plotted from data reported by the Penticton Radio Observatory (formerly the ARO from Ottawa). High solar flux levels denote higher levels of activity and a greater number of sunspot groups on the Sun. The 90-day mean solar flux graph is charted from the 90-day mean of the 10.7 cm solar radio flux.

## CUMULATIVE GRAPHICAL CHART OF SUNSPOT NUMBERS

-----

105		
101	*	
097	* ** **	*
093	* ** ** **	*
089	* * *****	*
085	***	*
081	* ****	**
077	* **** * * ******	**
073	* * **** ** ******	**
069	** * *** * ******	**
065	** * *** ***	**
061	***	**
057	*** ** *******	**
053	*** ** ******* *******	**
049	*** ******** ********	**
045	***	**
041	***	**
037	*** ********* * **** ** *********	**
033	**** ********** **	**
029	*************	**
025	****************	**
021	****************	
017	***************	**
013	**************	**

Chart Start: Day #283

#### NOTES:

The graphical chart of sunspot numbers is created from the daily sunspot number counts as reported by the SESC.

HF RADIO SIGNAL PROPAGATION PREDICTIONS (10 DEC - 19 DEC)

## High Latitude Paths

	EXTREMELY	GOOD											
	VERY	GOOD											
CONFIDENCE	1	GOOD											
LEVEL	1	FAIR	***	<b> </b> ***	<b> </b> ***	<b> </b> ***	<b>*</b> **	<b> </b> ***	*	*	**	***	
	1	P00R							<b> </b> *	<b> </b> *	*		
70%	VERY	P00R											
	EXTREMELY	P00R											
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## Middle Latitude Paths

		EXTREMELY	GOOD										
		VERY	GOOD										
CONFIDENCE			GOOD	***	<b> </b> ***	**	**	***	***				
LEVEL			FAIR							*	*		
			P00R										
65%		VERY	P00R										
		EXTREMELY	P00R										
	1												
		PROPAGAT	ION	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
		QUALIT	<b>′</b>		Giv	en i	n 8 I	Loca	l-Hoι	ır Iı	nterv	/als	- 1

## Low Latitude Paths

	_													
		EXTREMELY	GOOD											
		VERY	GOOD											
CONFIDENCE			GOOD	***	<b> </b> ***	***	***							
LEVEL			FAIR											
			POOR											
75%		VERY	POOR											
		EXTREMELY	POOR											
	-													
		PROPAGAT]	ION	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
		QUALITY	1	1	Giv	en i	n 8 I	Loca	l-Hou	ur I	nterv	/als	- 1	

## NOTES:

NORTHERN	HEMISPHERE			SOUTHERN	HEMISPHERE		
High latitudes	>= 55	deg. N.	High ]	latitudes	>= 55	deg. S	S.
Middle latitudes	>= 40 < 55	deg. N.	Middle ]	latitudes	>= 30 < 55	deg. S	S.
Low latitudes	< 40	deg. N.	Low 1	latitudes	< 30	deg. S	s.

# POTENTIAL VHF DX PROPAGATION PREDICTIONS (10 DEC - 19 DEC) INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

## HIGH LATITUDES

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## MIDDLE LATITUDES

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VHF DX   Given in 8						hour local time intervals							AURORAL BACKSCATTER								ER	
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## NOTES:

These VHF DX prediction charts are defined for the 30 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts.

AURORAL ACTIVITY PREDICTIONS (10 DEC - 19 DEC)

High Latitude Locations

	EXTREMELY HIGH											
CONFIDENCE	VERY HIGH											1
LEVEL	HIGH											1
	MODERATE					<b> </b> *	***	<b> </b> *	*			1
70%	LOW	***	<b> </b> ***	<b>*</b> **	<b> </b> ***	<b>*</b> **	***	***	***	***	***	1
	NOT VISIBLE	***	<b> </b> ***	<b>*</b> **	<b> </b> ***	<b>*</b> **	***	***	***	***	***	1
												1
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	E	ve.Tv	vili	ght/N	1idn:	ight,	/Mor	n.Twi	iligh	nt	ĺ

## Middle Latitude Locations

	_													
		EXTREMELY	HIGH											
CONFIDENCE		VERY	HIGH											1
LEVEL			HIGH											
		MODE	ERATE											1
75%			LOW						*					1
		NOT VIS	SIBLE	***	<b>*</b> **	<b> </b> ***	<b> </b> ***	<b>*</b> **	<b>*</b> **	<b>*</b> **	***	***	***	
	-													
		AURORAL	_	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
		INTENSI	ΓΥ	E	∕e.Tu	wili	ght/N	۱idn:	ight,	/Mor	n.Twi	iligh	nt	
	_													

## Low Latitude Locations

	EXTREMELY HIGH										
CONFIDENCE	VERY HIGH										
LEVEL	HIGH										
	MODERATE										
90%	LOW									1	
	NOT VISIBLE	***	-			-	-	-			
		·									
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	INTENSITY	E	ve.T۱	wili	ght/I	Midn:	ight,	/Mor	ı.Tw:	iligh	nt

## NOTE:

Version 2.00b of our Professional Dynamic Auroral Oval Simulation Software Package is now available. This professional software is particularly valuable to radio communicators, aurora photographers, educators, and astronomers. For more information regarding this software, contact: "Oler@Rho.Uleth.CA", or "COler@Solar.Stanford.Edu".

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: "Oler@Rho.Uleth.Ca" or to: "COler@Solar.Stanford.Edu". This document, as well as others and related data/forecasts exist on the STD BBS at: (403) 756-3008.

**	End	of	Repo	rt ·	**			

Date: 8 Dec 1993 22:22:31 GMT

From: munnari.oz.au!sgiblab!sgigate.sgi.com!olivea!hal.com!darkstar.UCSC.EDU!

cats.ucsc.edu!haynes@network.ucsd.edu

To: info-hams@ucsd.edu

References <2e26th\$e1s@nntpd.lkg.dec.com>, <gregCHooL3.Jt7@netcom.com>, <1993Dec8.192104.23873@TorreyPinesCA.ncr.com>ynes Subject : Re: Scratchi, January, 1960

Just to point out that the Scratchi column was controversial during the time it was being published too. I distinctly remember an exchange of letters to the editor arguing over the point.

Anyone remember the "Heinrich Schnibble" items from Saturday Evening Pest of the same period?

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haynes@cats.ucsc.edu haynes@cats.bitnet

"Ya can talk all ya wanna, but it's dif'rent than it was!"
"No it aint! But ya gotta know the territory!"

Meredith Willson: "The Music Man"

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